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WHAT IS CLAIMED IS:

- 1 1. An airway adapter of a sensor for detecting a carbon dioxide gas in
2 an expiration gas of a living body, the airway adapter comprising:
3 an airway case, adapted to be disposed below nostrils of the living
4 body, and formed with an airway passage extending across an optical axis of a
5 light beam emitted from a light emitter of the sensor; and
6 a mouth guide, adapted to be disposed in front of a mouth of the living
7 body so as to define a space communicated with the airway passage, the
8 mouth guide being pivotably supported on the airway case.
- 1 2. The airway adapter as set forth in claim 1, wherein a shaft member is
2 integrally molded with the mouth guide, and fitted into a hole formed in the
3 airway case, so that the mouth guide is pivoted about the hole.
- 1 3. The airway adapter as set forth in claim 2, wherein the shaft member
2 is formed with a flexible material so as to have a size which is no less than a
3 size of the hole.
- 1 4. The airway adapter as set forth in claim 2, wherein at least one of the
2 airway case and the mouth guide is formed with an elastic material, so as to
3 generate an elastic force directed in an extending direction of the shaft
4 member.

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1 5. The airway adapter as set forth in claim 2, wherein the shaft member
2 is extending in a first direction substantially parallel with a face of the living
3 body, and the mouth guide is pivotable about the shaft member in a second
4 direction perpendicular to the first direction.

1 6. An airway adapter of a sensor for detecting a carbon dioxide gas in
2 an expiration gas of a living body, the airway adapter comprising:
3 an airway case, adapted to be disposed below nostrils of the living
4 body, and formed with an airway passage extending across an optical axis of a
5 light beam emitted from a light emitter of the sensor; and
6 a retainer, adapted to retain an oxygen supply tube on the airway
7 case in such an attitude that an oxygen gas supplied from prongs of the
8 oxygen supply tube is not directly injected into the nostrils.

1 7. The airway adapter as set forth in claim 6, wherein the oxygen supply
2 tube is retained at such a position that a gap is defined between the prongs
3 and the nostrils.

1 8. The airway adapter as set forth in claim 6, further comprising a mouth
2 guide, adapted to be disposed in front of a mouth of the living body so as to
3 define a space communicated with the airway passage, the mouth guide being
4 pivotably supported on the airway case.

1 9. The airway adapter as set forth in claim 1, further comprising an inlet
2 member, adapted to be inserted into at least one of the nostrils having a

3 passage for guiding a nasal expiration gas to the airway passage, the inlet
4 member being formed with a vent hole communicating the passage and an
5 exterior of the inlet member.

1 10. The airway adapter as set forth in claim 9, wherein:
2 the passage of the inlet member is defined by a pair of tube members
3 adapted to be inserted into the nostrils and a junction at which the tube
4 members are merged; and
5 the vent hole is formed at the junction.

1 11. The airway adapter as set forth in claim 10, wherein the vent hole is
2 arranged such that a flow of a gas discharged from the vent hole is not
3 substantially interfered by the living body.

1 12. The airway adapter as set forth in claim 11, wherein the vent hole is
2 arranged so as not to oppose to a face of the living body.

1 13. The airway adapter as set forth in claim 6, further comprising an inlet
2 member, adapted to be inserted into at least one of the nostrils having a
3 passage for guiding a nasal expiration gas to the airway passage, the inlet
4 member being formed with a vent hole communicating the passage and an
5 exterior of the inlet member.

1 14. The airway adapter as set forth in claim 13, wherein:
2 the passage of the inlet member is defined by a pair of tube members

3 adapted to be inserted into the nostrils and a junction at which the tube
4 members are merged; and
5 the vent hole is formed at the junction.

1 15. The airway adapter as set forth in claim 14, wherein the vent hole is
2 arranged such that a flow of a gas discharged from the vent hole is not
3 substantially interfered by the living body.

1 16. The airway adapter as set forth in claim 15, wherein the vent hole is
2 arranged so as not to oppose to a face of the living body.

1 17. A sensor for detecting a carbon dioxide gas in an expiration gas of a
2 living body, comprising:
3 a photo emitter;
4 a photo receiver; and
5 an airway adapter, which supports the photo emitter and the photo
6 receiver such that a light beam emitted from the photo emitter is received by
7 the photo receiver, the airway adapter comprising:
8 an airway case, adapted to be disposed below nostrils of the living
9 body, and formed with an airway passage extending across an optical axis of
10 the light beam; and
11 a mouth guide, adapted to be disposed in front of a mouth of the
12 living body so as to define a space communicated with the airway passage, the
13 mouth guide being pivotably supported on the airway case.

- 1 18. A sensor for detecting a carbon dioxide gas in an expiration gas of a
2 living body, comprising:
3 a photo emitter;
4 a photo receiver; and
5 an airway adapter, which supports the photo emitter and the photo
6 receiver such that a light beam emitted from the photo emitter is received by
7 the photo receiver, the airway adapter comprising:
8 an airway case, adapted to be disposed below nostrils of the living
9 body, and formed with an airway passage extending across an optical axis of
10 the light beam; and
11 a retainer, adapted to retain an oxygen supply tube on the airway
12 case in such an attitude that an oxygen gas supplied from prongs of the
13 oxygen supply tube is not directly injected into the nostrils.
- 1 19. A sensor for detecting a carbon dioxide gas in an expiration gas of a
2 living body, comprising:
3 a photo emitter;
4 a photo receiver;
5 an oxygen supply tube;
6 an airway adapter, which supports the photo emitter and the photo
7 receiver such that a light beam emitted from the photo emitter is received by
8 the photo receiver, the airway adapter comprising:
9 an airway case, adapted to be disposed below nostrils of the living
10 body, and formed with an airway passage extending across an optical axis of
11 the light beam; and
12 a retainer, which retains the oxygen supply tube on the airway case

- 13 in such an attitude that an oxygen gas supplied from prongs of the oxygen
14 supply tube is not directly injected into the nostrils.
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